

Enter Watershed Variables Below										
Watershed Name Lower Missouri Crooked River			Watershed Code 10300101			Help				
Landuse Type Cultivated Cropland			Landuse Acres 674,900			Interest Rate 6%				
Typical Unit Size (ac) 125			Percent TA of FA 20%			Cost-Share Rate 50%				
Estimated Time Frame = 5 years	Participation Rate <small>(Based on Watershed Profile)</small>		<div style="display: inline-block; border: 1px solid black; padding: 5px; background-color: #ADD8E6;">28%</div> <div style="display: inline-block; font-size: 2em; color: red; vertical-align: middle; margin: 0 10px;"> ← COMPARE → </div> <div style="display: inline-block; border: 1px solid black; padding: 5px; background-color: #FFD700;">24%</div>		Calculated Participation Rate <small>(Based on Projected Future Conditions)</small>		Next			
Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
Baseline	20%	134,980	Baseline	60%	80,988	Baseline	12%	80,988	80,988	0
			Progressive	30%	40,494					
			RMS	10%	13,498					
			<small>Must Total 100%</small>							
Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
Progressive	75%	506,175	Progressive	80%	404,940	Progressive	66%	445,434	404,940	40,494
			RMS	20%	101,235					
			<small>Must Total 100%</small>							
Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
RMS	5%	33,745	RMS	100%	33,745	RMS	22%	148,478	33,745	114,733
Grand Totals		100%	674,900			100%		674,900	519,673	155,227

DOCUMENTATION SECTION

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DOCUMENTATION SECTION

PRACTICE FACTOR SHEET Only shaded practices are in this analysis. Modify the formula for each Base, Prog, RMS to enter feet, no. or acres for each practice factor. Please enter appropriate factor for each level of treatment (Baseline, Progressive, & RMS)									
Code	BASE	PROG	RMS	SHORT NOTE <small>TU = Typical Unit Size</small>	Practice Name				
327	0.0%	0.0%	x 12.0%	PERCENT of TU	Conservation Cover (ac.) 327				
328	x 100.0%	x 100.0%	x 100.0%	PERCENT of TU	Conservation Crop Rotation (ac.) 328				
329	0.0%	x 52.0%	x 100.0%	PERCENT of TU	Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329				
330	0.0%	x 48.0%	x 48.0%	PERCENT of TU	Contour Farming (ac.) 330				
342	0.0%	x 2.0%	x 2.0%	PERCENT of TU	Critical Area Planting (ac.) 342				
345	x 100.0%	48.0%	0.0%	PERCENT of TU	Residue and Tillage Management, Mulch Till (ac.) 345				
386	0	0	x 2,000	FEET per TU	Field Border (ft.) 386				
393	1.0%	1.0%	x 1.0%	PERCENT of TU	Filter Strip (ac.) 393				
410	0	x 1	x 1	NUMBER per TU	Grade Stabilization Structure (no.) 410				
412	0.0%	x 1.0%	x 2.0%	PERCENT of TU	Grassed Waterway (ac.) 412				
449	0.0%	0.0%	x 25.0%	PERCENT of TU	Irrigation Water Management (ac.) 449				
590	0.0%	x 100.0%	x 100.0%	PERCENT of TU	Nutrient Management (ac.) 590				
595	0.0%	x 100.0%	x 100.0%	PERCENT of TU	Pest Management (ac.) 595				
600	0	x 6,000	x 8,000	FEET per TU	Terrace (ft.) 600				
620	0	x 900	x 1,400	FEET per TU	Underground Outlet (ft.) 620				
645	0.0%	0.0%	x 12.0%	PERCENT of TU	Upland Wildlife Habitat Management (ac.) 645				
512	100.0%	100.0%	100.0%	PERCENT of TU	Pasture & Hayland Planting (ac.) 512				
344	100.0%	100.0%	100.0%	PERCENT of TU	Residue Management, Seasonal (ac.) 344				
346	100.0%	100.0%	100.0%	PERCENT of TU	Residue and Tillage Management, Ridge Till (ac.) 346				
430AA	500	660	660	FEET per TU	Irrigation Water Conveyance, Pipeline, Aluminum Tubing (ft.) 430AA				
430DD	500	500	660	FEET per TU	Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plastic				
443	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation System, Surface and Subsurface (ac.) 443				
464	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation Land Leveling (ac.) 464				
533	1	1	1	NUMBER per TU	Pumping Plant (no.) 533				

WATERSHED NAME & CODE		LOWER MISSOURI CROOKED RIVER - 10300101				LANDUSE ACRES		674,900	
LANDUSE TYPE		CULTIVATED CROPLAND				TYPICAL UNIT SIZE ACRES		125	
ASSESSMENT INFORMATION						ESTIMATED PARTICIPATION		24%	
		CURRENT CONDITIONS	FUTURE CONDITIONS			RESOURCE CONCERNS			
CONSERVATION SYSTEMS BY TREATMENT LEVELS		Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Soil Erosion – Sheet and Rill	Soil Erosion – Ephemeral Gully	Soil Erosion – Classic Gully	Water Quality – Excessive Suspended Sediment and
Baseline System		System Rating ->				2	1	0	1
Total Acreage at Baseline Level		134,980	80,988	0	80,988				
Conservation Crop Rotation (ac.) 328		134,980	80,988	0	80,988	4	2	1	2
Residue and Tillage Management, Mulch Till (ac.) 345		134,980	80,988	0	80,988	0	0	0	0
Progressive System		System Rating ->				5	5	5	4
Total Acreage at Progressive Level		506,175	404,940	40,494	445,434				
Conservation Crop Rotation (ac.) 328		506,175	445,434	0	445,434	4	2	1	2
Contour Farming (ac.) 330		242,964	194,371	19,437	213,808	3	2	1	3
Critical Area Planting (ac.) 342		10,124	8,099	810	8,909	5	5	4	4
Grade Stabilization Structure (no.) 410		4,049	3,240	324	3,563	0	0	5	2
Grassed Waterway (ac.) 412		5,062	4,049	405	4,454	0	5	4	2
Nutrient Management (ac.) 590		506,175	404,940	40,494	445,434	0	0	0	0
Pest Management (ac.) 595		506,175	404,940	40,494	445,434	0	0	0	2
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		263,211	210,569	21,057	231,626	5	5	1	4
Terrace (ft.) 600		24,296,400	19,437,120	1,943,712	21,380,832	5	4	2	3
Underground Outlet (ft.) 620		3,644,460	2,915,568	291,557	3,207,125	0	5	4	0
Resource Management System (RMS)		System Rating ->				5	5	5	5
Total Acreage at RMS Level		33,745	33,745	114,733	148,478				
Conservation Cover (ac.) 327		4,049	4,049	13,768	17,817	5	2	1	3
Conservation Crop Rotation (ac.) 328		33,745	148,478	0	148,478	4	2	1	2
Contour Farming (ac.) 330		16,198	64,790	6,479	71,269	3	2	1	3
Critical Area Planting (ac.) 342		675	2,700	270	2,970	5	5	4	4
Field Border (ft.) 386		539,920	539,920	1,835,728	2,375,648	4	3	2	2
Filter Strip (ac.) 393		337	337	1,147	1,485	3	0	0	5
Grade Stabilization Structure (no.) 410		270	1,080	108	1,188	0	0	5	2
Grassed Waterway (ac.) 412		675	1,687	1,282	2,970	0	5	4	2
Irrigation Water Management (ac.) 449		8,436	8,436	28,683	37,120	0	0	0	3
Nutrient Management (ac.) 590		33,745	134,980	13,498	148,478	0	0	0	0
Pest Management (ac.) 595		33,745	134,980	13,498	148,478	0	0	0	2
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		33,745	86,387	62,091	148,478	5	5	1	4
Terrace (ft.) 600		2,159,680	7,018,960	2,483,632	9,502,592	5	4	2	3
Underground Outlet (ft.) 620		377,944	1,106,836	556,118	1,662,954	0	5	4	0
Upland Wildlife Habitat Management (ac.) 645		4,049	4,049	13,768	17,817	3	3	2	2

WATERSHED NAME & CODE		LOWER MISSOURI CROOKED RIVER - 10300101				LANDUSE ACRES		674,900	
LANDUSE TYPE		CULTIVATED CROPLAND				TYPICAL UNIT SIZE ACRES		125	
CONSERVATION INVESTMENT INFORMATION						ESTIMATED PARTICIPATION		24%	
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT				PRIVATE INVESTMENT		
		New Treatment Units	Installation Cost 50%	Management Cost - 3 yrs 100%	Technical Assistance 20%	Total Present Value Cost	Installation Cost 50%	Annual O & M + Mgt Costs 100%	Total Present Value Cost
Progressive System Acres Treated		40,494							
Conservation Crop Rotation (ac.) 328		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contour Farming (ac.) 330		19,437	\$0	\$291,557	\$58,311	\$318,090	\$0	\$97,186	\$149,603
Critical Area Planting (ac.) 342		810	\$192,824	\$0	\$38,565	\$231,389	\$192,824	\$3,856	\$209,069
Grade Stabilization Structure (no.) 410		324	\$1,648,891	\$0	\$329,778	\$1,978,670	\$1,648,891	\$98,933	\$2,065,635
Grassed Waterway (ac.) 412		405	\$412,689	\$0	\$82,538	\$495,226	\$412,689	\$24,761	\$516,992
Nutrient Management (ac.) 590		40,494	\$0	\$1,539,177	\$307,835	\$1,679,248	\$0	\$513,059	\$789,778
Pest Management (ac.) 595		40,494	\$0	\$2,592,426	\$518,485	\$2,828,347	\$0	\$864,142	\$1,330,219
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		21,057	\$0	\$1,145,284	\$229,057	\$1,249,509	\$0	\$381,761	\$587,665
Terrace (ft.) 600		1,943,712	\$1,992,305	\$0	\$398,461	\$2,390,766	\$1,992,305	\$79,692	\$2,327,997
Underground Outlet (ft.) 620		291,557	\$62,685	\$0	\$12,537	\$75,222	\$62,685	\$3,761	\$78,528
		Subtotal	\$4,309,394	\$5,568,443	\$1,975,567	\$11,246,466	\$4,309,394	\$2,067,152	\$8,055,486
Resource Management System (RMS) Acres Treated		114,733							
Conservation Cover (ac.) 327		13,768	\$871,168	\$0	\$174,234	\$1,045,401	\$871,168	\$17,423	\$944,561
Conservation Crop Rotation (ac.) 328		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contour Farming (ac.) 330		6,479	\$0	\$97,186	\$19,437	\$106,030	\$0	\$32,395	\$49,868
Critical Area Planting (ac.) 342		270	\$64,275	\$0	\$12,855	\$77,130	\$64,275	\$1,285	\$69,690
Field Border (ft.) 386		1,835,728	\$45,893	\$0	\$9,179	\$55,072	\$45,893	\$1,836	\$53,626
Filter Strip (ac.) 393		1,147	\$40,157	\$0	\$8,031	\$48,188	\$40,157	\$2,409	\$50,306
Grade Stabilization Structure (no.) 410		108	\$549,630	\$0	\$109,926	\$659,557	\$549,630	\$32,978	\$688,545
Grassed Waterway (ac.) 412		1,282	\$1,306,847	\$0	\$261,369	\$1,568,216	\$1,306,847	\$78,411	\$1,637,142
Irrigation Water Management (ac.) 449		28,683	\$0	\$860,498	\$172,100	\$938,806	\$0	\$286,833	\$441,536
Nutrient Management (ac.) 590		13,498	\$0	\$513,059	\$102,612	\$559,749	\$0	\$171,020	\$263,259
Pest Management (ac.) 595		13,498	\$0	\$864,142	\$172,828	\$942,782	\$0	\$288,047	\$443,406
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329		62,091	\$0	\$3,377,119	\$675,424	\$3,684,450	\$0	\$1,125,706	\$1,732,858
Terrace (ft.) 600		2,483,632	\$2,545,723	\$0	\$509,145	\$3,054,867	\$2,545,723	\$101,829	\$2,974,663
Underground Outlet (ft.) 620		556,118	\$119,565	\$0	\$23,913	\$143,478	\$119,565	\$7,174	\$149,784
Upland Wildlife Habitat Management (ac.) 645		13,768	\$0	\$619,558	\$123,912	\$675,940	\$0	\$206,519	\$317,906
		Subtotal	\$5,543,258	\$6,331,561	\$2,374,964	\$13,559,667	\$5,543,258	\$2,353,866	\$9,817,151
TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS		13767.96	\$9,852,651	\$11,900,004	\$4,350,531	\$24,806,134	\$9,852,651	\$4,421,018	\$17,872,637

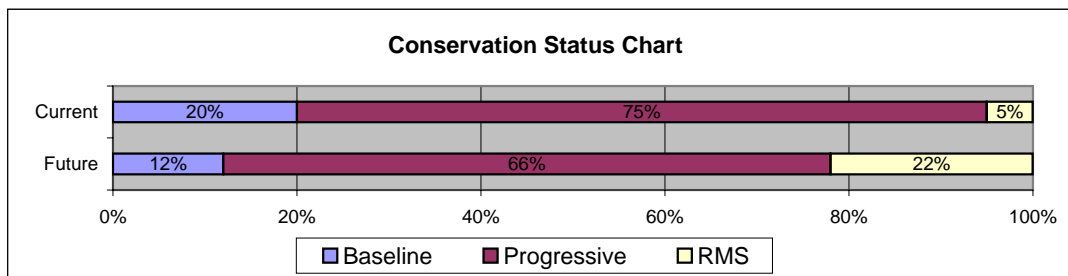


Chart Refers To	
Landuse Type	CULTIVATED CROPLAND
Estimated Participation Rate	24%

Average PV Costs per Ac		
System	Federal	Private
Prog	\$278	\$199
RMS	\$118	\$86

Estimated FTE per Year	8.7
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WATERSHED NAME & CODE		LOWER MISSOURI CROOKED RIVER - 10300101						LANDUSE ACRES			674,900		
LANDUSE TYPE		CULTIVATED CROPLAND						TYPICAL UNIT SIZE ACRES			125		
POSSIBLE SOURCES OF FUNDING								ESTIMATED PARTICIPATION			24%		
CONSERVATION SYSTEMS BY TREATMENT LEVELS	FUTURE	USDA INVESTMENT						OTHERS			NOTES/COMMENTS		
	New Treatment Units	CTA	EQIP	WRP	WHIP	CSP	CRP/ CREP	Fed	State	District			
	Progressive System Acres Treated	40,494											
	Conservation Crop Rotation (ac.) 328	0	X	X									
	Contour Farming (ac.) 330	19,437	X										
	Critical Area Planting (ac.) 342	810	X	X									
	Grade Stabilization Structure (no.) 410	324	X	X									
	Grassed Waterway (ac.) 412	405	X	X			X						
	Nutrient Management (ac.) 590	40,494	X	X									
	Pest Management (ac.) 595	40,494	X	X									
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329	21,057	X	X										
Terrace (ft.) 600	1,943,712	X	X			X							
Underground Outlet (ft.) 620	291,557	X	X										
Resource Management System (RMS) Acres Treated	114,733												
Conservation Cover (ac.) 327	13,768	X	X				X						
Conservation Crop Rotation (ac.) 328	0	X	X										
Contour Farming (ac.) 330	6,479	X											
Critical Area Planting (ac.) 342	270	X	X										
Field Border (ft.) 386	1,835,728	X	X				X						
Filter Strip (ac.) 393	1,147	X					X						
Grade Stabilization Structure (no.) 410	108	X	X										
Grassed Waterway (ac.) 412	1,282	X	X				X						
Irrigation Water Management (ac.) 449	28,683	X	X										
Nutrient Management (ac.) 590	13,498	X	X										
Pest Management (ac.) 595	13,498	X	X										
Residue and Tillage Management, No-Till/Strip Till/Direct Seed (ac.) 329	62,091	X	X										
Terrace (ft.) 600	2,483,632	X	X				X						
Underground Outlet (ft.) 620	556,118	X	X										
Upland Wildlife Habitat Management (ac.) 645	13,768	X	X										

DOCUMENTATION SECTION

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Enter Watershed Variables Below											
Watershed Name Lower Missouri Crooked River			Watershed Code 10300101			Help					
Landuse Type Noncultivated Cropland			Landuse Acres 92,300			Interest Rate 6%					
Typical Unit Size (ac) 40			Percent TA of FA 20%			Cost-Share Rate 50%					
Estimated Time Frame = 5 years	Participation Rate <small>(Based on Watershed Profile)</small>		<div style="display: inline-block; border: 1px solid black; padding: 5px; background-color: #ADD8E6;">20%</div> <div style="display: inline-block; font-size: 2em; vertical-align: middle; margin: 0 10px;"> </div> <div style="display: inline-block; border: 1px solid black; padding: 5px; background-color: #FFD700;">16%</div>		Calculated Participation Rate <small>(Based on Projected Future Conditions)</small>		Next				
Current Conditions			Projected Change			Projected Future Condition					
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres			
								Total	Static	Treated	
Baseline	15%	13,845	Baseline	80%	11,076	Baseline	12%	11,076	11,076	0	
			Progressive	10%	1,385						
			RMS	10%	1,385						
Must Total 100%			100%								
Current Conditions			Projected Change			Projected Future Condition					
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres			
								Total	Static	Treated	
Progressive	75%	69,225	Progressive	85%	58,841	Progressive	65%	60,226	58,841	1,385	
			RMS	15%	10,384						
Must Total 100%			100%								
Current Conditions			Projected Change			Projected Future Condition					
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres			
								Total	Static	Treated	
RMS	10%	9,230	RMS	100%	9,230	RMS	23%	20,998	9,230	11,768	
Grand Totals											
		100%			92,300			100%	92,300	79,147	13,153

DOCUMENTATION SECTION

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DOCUMENTATION SECTION

PRACTICE FACTOR SHEET Only shaded practices are in this analysis. Modify the formula for each Base, Prog, RMS to enter feet, no. or acres for each practice factor. Please enter appropriate factor for each level of treatment (Baseline, Progressive, & RMS)							
Code	BASE	PROG	RMS	SHORT NOTE <i>TU = Typical Unit Size</i>	Practice Name		
327	0.0%	x 50.0%	x 50.0%	PERCENT of TU	Conservation Cover (ac.) 327		
338	0.0%	0.0%	x 25.0%	PERCENT of TU	Prescribed Burning (ac.) 338		
342	0.0%	0.0%	x 2.0%	PERCENT of TU	Critical Area Planting (ac.) 342		
386	0	0	x 200	FEET per TU	Field Border (ft.) 386		
393	0.0%	0.0%	x 5.0%	PERCENT of TU	Filter Strip (ac.) 393		
412	0.0%	0.0%	x 2.0%	PERCENT of TU	Grassed Waterway (ac.) 412		
472	0.0%	x 50.0%	x 50.0%	PERCENT of TU	Use Exclusion (ac.) 472		
484	0.0%	0.0%	x 2.0%	PERCENT of TU	Mulching (ac.) 484		
490	0.0%	0.0%	x 2.0%	PERCENT of TU	Forest Site Preparation (ac.) 490		
511	x 50.0%	x 50.0%	x 50.0%	PERCENT of TU	Forage Harvest Management (ac.) 511		
512	x 50.0%	x 50.0%	x 50.0%	PERCENT of TU	Pasture & Hayland Planting (ac.) 512		
528	0.0%	x 12.0%	x 12.0%	PERCENT of TU	Prescribed Grazing (ac.) 528		
590	0.0%	0.0%	x 100.0%	PERCENT of TU	Nutrient Management (ac.) 590		
595	0.0%	0.0%	x 100.0%	PERCENT of TU	Pest Management (ac.) 595		
612	0.0%	0.0%	x 2.0%	PERCENT of TU	Tree/Shrub Establishment (ac.) 612		
645	0.0%	x 50.0%	x 50.0%	PERCENT of TU	Upland Wildlife Habitat Management (ac.) 645		
647	0.0%	0.0%	x 8.0%	PERCENT of TU	Early Successional Habitat Development/Management (ac.) 647		
328	100.0%	100.0%	100.0%	PERCENT of TU	Conservation Crop Rotation (ac.) 328		
329	100.0%	100.0%	100.0%	PERCENT of TU	Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329		
344	100.0%	100.0%	100.0%	PERCENT of TU	Residue Management, Seasonal (ac.) 344		
346	100.0%	100.0%	100.0%	PERCENT of TU	Residue and Tillage Management, Ridge Till (ac.) 346		
430AA	500	660	660	FEET per TU	Irrigation Water Conveyance, Pipeline, Aluminum Tubing (ft.) 430AA		
430DD	500	500	660	FEET per TU	Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plastic		
443	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation System, Surface and Subsurface (ac.) 443		

WATERSHED NAME & CODE		LOWER MISSOURI CROOKED RIVER - 10300101			LANDUSE ACRES		92,300		
LANDUSE TYPE		NONCULTIVATED CROPLAND			TYPICAL UNIT SIZE ACRES		40		
ASSESSMENT INFORMATION					ESTIMATED PARTICIPATION		16%		
		CURRENT CONDITIONS	FUTURE CONDITIONS			RESOURCE CONCERNS			
CONSERVATION SYSTEMS BY TREATMENT LEVELS		Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Soil Erosion – Classic Gully	Plant Condition – Productivity, Health and Vigor	Plant Condition – Noxious and Invasive Plants	Fish and Wildlife – Inadequate Cover/Shelter
Baseline System		System Rating ->				0	4	3	2
Total Acreage at Baseline Level		13,845	11,076	0	11,076				
Forage Harvest Management (ac.) 511		6,923	5,538	0	5,538	0	4	4	2
Pasture and Hay Planting (ac.) 512		6,923	5,538	0	5,538	1	5	4	3
Progressive System		System Rating ->				2	5	5	4
Total Acreage at Progressive Level		69,225	58,841	1,385	60,226				
Conservation Cover (ac.) 327		34,613	29,421	692	30,113	1	4	4	2
Forage Harvest Management (ac.) 511		34,613	30,113	0	30,113	0	4	4	2
Pasture and Hay Planting (ac.) 512		34,613	30,113	0	30,113	1	5	4	3
Prescribed Grazing (ac.) 528		8,307	7,061	166	7,227	2	5	4	2
Upland Wildlife Habitat Management (ac.) 645		34,613	29,421	692	30,113	2	4	4	5
Use Exclusion (ac.) 472		34,613	29,421	692	30,113	2	4	4	3
Resource Management System (RMS)		System Rating ->				3	5	5	5
Total Acreage at RMS Level		9,230	9,230	11,768	20,998				
Conservation Cover (ac.) 327		4,615	9,807	692	10,499	1	4	4	2
Critical Area Planting (ac.) 342		185	185	235	420	4	5	4	2
Early Successional Habitat Development/Management (ac.) 647		738	738	941	1,680	0	4	1	4
Field Border (ft.) 386		46,150	46,150	58,841	104,991	2	4	4	2
Filter Strip (ac.) 393		462	462	588	1,050	0	4	4	3
Forage Harvest Management (ac.) 511		4,615	10,499	0	10,499	0	4	4	2
Grassed Waterway (ac.) 412		185	185	235	420	4	5	4	1
Mulching (ac.) 484		185	185	235	420	1	3	3	1
Nutrient Management (ac.) 590		9,230	9,230	11,768	20,998	0	3	0	1
Pasture and Hay Planting (ac.) 512		4,615	10,499	0	10,499	1	5	4	3
Pest Management (ac.) 595		9,230	9,230	11,768	20,998	0	5	5	3
Prescribed Burning (ac.) 338		2,308	2,308	2,942	5,250	1	5	4	3
Prescribed Grazing (ac.) 528		1,108	2,354	166	2,520	2	5	4	2
Tree/Shrub Establishment (ac.) 612		185	185	235	420	2	5	4	4
Tree/Shrub Site Preparation (ac.) 490		185	185	235	420	-2	5	4	0
Upland Wildlife Habitat Management (ac.) 645		4,615	9,807	692	10,499	2	4	4	5
Use Exclusion (ac.) 472		4,615	9,807	692	10,499	2	4	4	3

[illegible]

WATERSHED NAME & CODE		LOWER MISSOURI CROOKED RIVER - 10300101						LANDUSE ACRES			92,300	
LANDUSE TYPE		NONCULTIVATED CROPLAND						TYPICAL UNIT SIZE ACRES			40	
POSSIBLE SOURCES OF FUNDING								ESTIMATED PARTICIPATION			16%	
CONSERVATION SYSTEMS BY TREATMENT LEVELS	FUTURE	USDA INVESTMENT						OTHERS			NOTES/COMMENTS	
	New Treatment Units	CTA	EQIP	WRP	WHIP	CSP	CRP/ CREP	Fed	State	District		
	Progressive System Acres Treated											
	Conservation Cover (ac.) 327	692	X	X				X				
	Forage Harvest Management (ac.) 511	0	X									
	Pasture and Hay Planting (ac.) 512	0	X	X								
	Prescribed Grazing (ac.) 528	166	X	X								
	Upland Wildlife Habitat Management (ac.) 645	692	X	X								
	Use Exclusion (ac.) 472	692	X	X	X							
Resource Management System (RMS) Acres Treated												
Conservation Cover (ac.) 327	692	X	X				X					
Critical Area Planting (ac.) 342	235	X	X									
Early Successional Habitat Development/Management (ac.) 647	941	X	X									
Field Border (ft.) 386	58,841	X	X				X					
Filter Strip (ac.) 393	588	X					X					
Forage Harvest Management (ac.) 511	0	X										
Grassed Waterway (ac.) 412	235	X	X				X					
Mulching (ac.) 484	235	X		X								
Nutrient Management (ac.) 590	11,768	X	X									
Pasture and Hay Planting (ac.) 512	0	X	X									
Pest Management (ac.) 595	11,768	X	X									
Prescribed Burning (ac.) 338	2,942	X	X									
Prescribed Grazing (ac.) 528	166	X	X									
Tree/Shrub Establishment (ac.) 612	235	X	X	X								
Tree/Shrub Site Preparation (ac.) 490	235	X	X	X								
Upland Wildlife Habitat Management (ac.) 645	692	X	X									
Use Exclusion (ac.) 472	692	X	X	X								

DOCUMENTATION SECTION

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Enter Watershed Variables Below											
Watershed Name Lower Missouri Crooked River			Watershed Code 10300101			Help					
Landuse Type Pastureland			Landuse Acres 318,000			Interest Rate 6%					
Typical Unit Size (ac) 90			Percent TA of FA 20%			Cost-Share Rate 50%					
Estimated Time Frame = 5 years	Participation Rate <small>(Based on Watershed Profile)</small>		<div style="display: inline-block; border: 1px solid black; padding: 5px; background-color: #ADD8E6;">27%</div> <div style="display: inline-block; font-size: 2em; color: red; vertical-align: middle; margin: 0 10px;"> ← COMPARE → </div> <div style="display: inline-block; border: 1px solid black; padding: 5px; background-color: #FFD700;">25%</div>		Calculated Participation Rate <small>(Based on Projected Future Conditions)</small>		Next				
Current Conditions			Projected Change			Projected Future Condition					
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres			
								Total	Static	Treated	
Baseline	60%	190,800	Baseline	65%	124,020	Baseline	39%	124,020	124,020	0	
			Progressive	30%	57,240						
			RMS	5%	9,540						
			<small>Must Total 100%</small>			<small>100%</small>					
Current Conditions			Projected Change			Projected Future Condition					
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres			
								Total	Static	Treated	
Progressive	38%	120,840	Progressive	92%	111,173	Progressive	53%	168,413	111,173	57,240	
			RMS	8%	9,667						
			<small>Must Total 100%</small>			<small>100%</small>					
Current Conditions			Projected Change			Projected Future Condition					
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres			
								Total	Static	Treated	
RMS	2%	6,360	RMS	100%	6,360	RMS	8%	25,567	6,360	19,207	
Grand Totals		100%	318,000					100%	318,000	241,553	76,447

DOCUMENTATION SECTION

[illegible]

DOCUMENTATION SECTION

PRACTICE FACTOR SHEET Only shaded practices are in this analysis. Modify the formula for each Base, Prog, RMS to enter feet, no. or acres for each practice factor. Please enter appropriate factor for each level of treatment (Baseline, Progressive, & RMS)								
<div style="border: 1px solid black; padding: 2px; display: inline-block;">Back</div>								<div style="border: 1px solid black; padding: 2px; display: inline-block;">Next</div>
Code	BASE	PROG		RMS	SHORT NOTE <small>TU = Typical Unit Size</small>	Practice Name <div style="float: right;"><div style="border: 1px solid black; padding: 2px; display: inline-block;">Help</div></div>		
342	0.0%	x	2.0%	x	2.0%	PERCENT of TU Critical Area Planting (ac.) 342		
378	0	x	1	x	1	NUMBER per TU Pond (no.) 378		
382	x 1,300	x	4,000	x	4,000	FEET per TU Fence (ft.) 382		
393	0.0%		0.0%	x	3.0%	PERCENT of TU Filter Strip (ac.) 393		
410	0	x	1	x	3	NUMBER per TU Grade Stabilization Structure (no.) 410		
472	0.0%	x	6.0%	x	6.0%	PERCENT of TU Use Exclusion (ac.) 472		
484	0.0%	x	1.0%	x	3.0%	PERCENT of TU Mulching (ac.) 484		
512	x 100.0%	x	100.0%	x	100.0%	PERCENT of TU Pasture & Hayland Planting (ac.) 512		
516	0	x	2,400	x	2,400	FEET per TU Pipeline (ft.) 516		
528	0.0%		0.0%	x	100.0%	PERCENT of TU Prescribed Grazing (ac.) 528		
580	0		0	x	500	FEET per TU Streambank & Shoreline Protection (ft.) 580		
590	0.0%		0.0%	x	100.0%	PERCENT of TU Nutrient Management (ac.) 590		
614	0	x	3	x	6	NUMBER per TU Watering Facility (no.) 614		
645	0.0%		0.0%	x	5.0%	PERCENT of TU Upland Wildlife Habitat Management (ac.) 645		
328	100.0%		100.0%		100.0%	PERCENT of TU Conservation Crop Rotation (ac.) 328		
329	100.0%		100.0%		100.0%	PERCENT of TU Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329		
344	100.0%		100.0%		100.0%	PERCENT of TU Residue Management, Seasonal (ac.) 344		
346	100.0%		100.0%		100.0%	PERCENT of TU Residue and Tillage Management, Ridge Till (ac.) 346		
430AA	500		660		660	FEET per TU Irrigation Water Conveyance, Pipeline, Aluminum Tubing (ft.) 430AA		
430DD	500		500		660	FEET per TU Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plastic (ft.) 430DD		
443	100.0%		100.0%		100.0%	PERCENT of TU Irrigation System, Surface and Subsurface (ac.) 443		
449	100.0%		100.0%		100.0%	PERCENT of TU Irrigation Water Management (ac.) 449		
464	100.0%		100.0%		100.0%	PERCENT of TU Irrigation Land Leveling (ac.) 464		
533	1		1		1	NUMBER per TU Pumping Plant (no.) 533		

WATERSHED NAME & CODE		LOWER MISSOURI CROOKED RIVER - 10300101				LANDUSE ACRES		318,000	
LANDUSE TYPE		PASTURELAND				TYPICAL UNIT SIZE ACRES		90	
ASSESSMENT INFORMATION						ESTIMATED PARTICIPATION		25%	
		CURRENT CONDITIONS	FUTURE CONDITIONS			RESOURCE CONCERNS			
CONSERVATION SYSTEMS BY TREATMENT LEVELS		Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Soil Erosion – Ephemeral Gully	Water Quantity – Reduced Storage of Water Bodies by Sediment	Plant Condition – Productivity, Health and Vigor	Domestic Animals – Inadequate Quantities and Quality of Feed
Baseline System		System Rating ->				2	1	3	3
Total Acreage at Baseline Level		190,800	124,020	0	124,020				
Fence (ft.) 382		2,756,000	1,791,400	0	1,791,400	0	0	0	0
Pasture and Hay Planting (ac.) 512		190,800	124,020	0	124,020	4	2	5	5
Progressive System		System Rating ->				4	4	5	4
Total Acreage at Progressive Level		120,840	111,173	57,240	168,413				
Critical Area Planting (ac.) 342		2,417	2,223	1,145	3,368	5	5	5	1
Fence (ft.) 382		5,370,667	5,767,813	1,717,200	7,485,013	0	0	0	0
Grade Stabilization Structure (no.) 410		1,343	1,235	636	1,871	0	3	0	0
Mulching (ac.) 484		1,208	1,112	572	1,684	4	3	3	2
Pasture and Hay Planting (ac.) 512		120,840	168,413	0	168,413	4	2	5	5
Pipeline (ft.) 516		3,222,400	2,964,608	1,526,400	4,491,008	0	0	2	0
Pond (no.) 378		1,343	1,235	636	1,871	0	0	2	0
Use Exclusion (ac.) 472		7,250	6,670	3,434	10,105	2	2	4	4
Watering Facility (no.) 614		4,028	3,706	1,908	5,614	2	1	2	3
Resource Management System (RMS)		System Rating ->				5	5	5	5
Total Acreage at RMS Level		6,360	6,360	19,207	25,567				
Critical Area Planting (ac.) 342		127	321	191	511	5	5	5	1
Fence (ft.) 382		282,667	850,120	286,200	1,136,320	0	0	0	0
Filter Strip (ac.) 393		191	191	576	767	0	5	4	1
Grade Stabilization Structure (no.) 410		212	319	533	852	0	3	0	0
Mulching (ac.) 484		191	287	480	767	4	3	3	2
Nutrient Management (ac.) 590		6,360	6,360	19,207	25,567	0	0	3	4
Pasture and Hay Planting (ac.) 512		6,360	25,567	0	25,567	4	2	5	5
Pipeline (ft.) 516		169,600	427,392	254,400	681,792	0	0	2	0
Pond (no.) 378		71	178	106	284	0	0	2	0
Prescribed Grazing (ac.) 528		6,360	6,360	19,207	25,567	4	1	5	5
Streambank and Shoreline Protection (ft.) 580		35,333	35,333	106,707	142,040	0	3	4	1
Upland Wildlife Habitat Management (ac.) 645		318	318	960	1,278	3	1	4	2
Use Exclusion (ac.) 472		382	962	572	1,534	2	2	4	4
Watering Facility (no.) 614		424	746	958	1,704	2	1	2	3

WATERSHED NAME & CODE		LOWER MISSOURI CROOKED RIVER - 10300101				LANDUSE ACRES		318,000		
LANDUSE TYPE		PASTURELAND				TYPICAL UNIT SIZE ACRES		90		
CONSERVATION INVESTMENT INFORMATION						ESTIMATED PARTICIPATION		25%		
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT				PRIVATE INVESTMENT			
		New Treatment Units	Installation Cost 50%	Management Cost - 3 yrs 100%	Technical Assistance 20%	Total Present Value Cost	Installation Cost 50%	Annual O & M + Mgt Costs 100%	Total Present Value Cost	
Progressive System Acres Treated		57,240								
Critical Area Planting (ac.) 342		1,145	\$272,565	\$0	\$54,513	\$327,079	\$272,565	\$5,451	\$295,528	
Fence (ft.) 382		1,717,200	\$1,253,556	\$0	\$250,711	\$1,504,267	\$1,253,556	\$125,356	\$1,781,599	
Grade Stabilization Structure (no.) 410		636	\$3,237,192	\$0	\$647,438	\$3,884,631	\$3,237,192	\$194,232	\$4,055,366	
Mulching (ac.) 484		572	\$0	\$171,720	\$34,344	\$187,347	\$0	\$57,240	\$88,112	
Pasture and Hay Planting (ac.) 512		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Pipeline (ft.) 516		1,526,400	\$1,640,880	\$0	\$328,176	\$1,969,056	\$1,640,880	\$0	\$1,640,880	
Pond (no.) 378		636	\$1,908,000	\$0	\$381,600	\$2,289,600	\$1,908,000	\$76,320	\$2,229,488	
Use Exclusion (ac.) 472		3,434	\$8,586	\$0	\$1,717	\$10,303	\$8,586	\$515	\$10,756	
Watering Facility (no.) 614		1,908	\$866,585	\$0	\$173,317	\$1,039,902	\$866,585	\$34,663	\$1,012,600	
		Subtotal	\$9,187,365	\$171,720	\$1,871,817	\$11,212,185	\$9,187,365	\$493,777	\$11,114,330	
Resource Management System (RMS) Acres Treated		19,207								
Critical Area Planting (ac.) 342		191	\$45,428	\$0	\$9,086	\$54,513	\$45,428	\$909	\$49,255	
Fence (ft.) 382		286,200	\$208,926	\$0	\$41,785	\$250,711	\$208,926	\$20,893	\$296,933	
Filter Strip (ac.) 393		576	\$20,168	\$0	\$4,034	\$24,201	\$20,168	\$1,210	\$25,265	
Grade Stabilization Structure (no.) 410		533	\$2,712,048	\$0	\$542,410	\$3,254,457	\$2,712,048	\$162,723	\$3,397,496	
Mulching (ac.) 484		480	\$0	\$143,863	\$28,773	\$156,955	\$0	\$47,954	\$73,819	
Nutrient Management (ac.) 590		19,207	\$0	\$730,066	\$146,013	\$796,505	\$0	\$243,355	\$374,609	
Pasture and Hay Planting (ac.) 512		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Pipeline (ft.) 516		254,400	\$273,480	\$0	\$54,696	\$328,176	\$273,480	\$0	\$273,480	
Pond (no.) 378		106	\$318,000	\$0	\$63,600	\$381,600	\$318,000	\$12,720	\$371,581	
Prescribed Grazing (ac.) 528		19,207	\$84,512	\$0	\$16,902	\$101,414	\$84,512	\$0	\$84,512	
Streambank and Shoreline Protection (ft.) 580		106,707	\$582,085	\$0	\$116,417	\$698,502	\$582,085	\$23,283	\$680,163	
Upland Wildlife Habitat Management (ac.) 645		960	\$0	\$43,216	\$8,643	\$47,149	\$0	\$14,405	\$22,175	
Use Exclusion (ac.) 472		572	\$1,431	\$0	\$286	\$1,717	\$1,431	\$86	\$1,793	
Watering Facility (no.) 614		958	\$435,218	\$0	\$87,044	\$522,262	\$435,218	\$17,409	\$508,550	
		Subtotal	\$4,681,295	\$917,145	\$1,119,688	\$6,618,163	\$4,681,295	\$544,947	\$6,159,630	
TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS		1335.6	\$13,868,659	\$1,088,865	\$2,991,505	\$17,830,347	\$13,868,659	\$1,038,724	\$17,273,960	

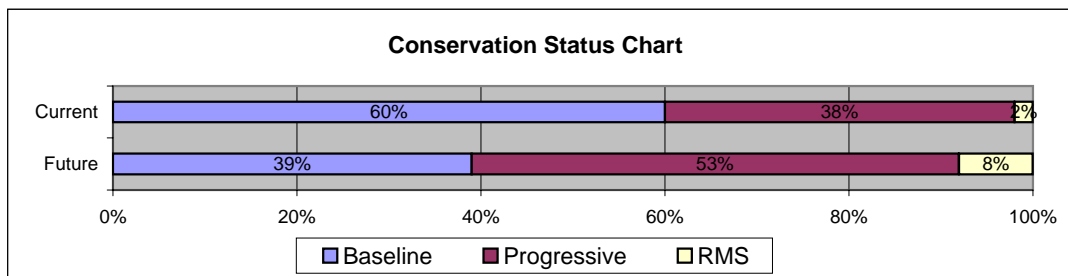


Chart Refers To	
Landuse Type	PASTURELAND
Estimated Participation Rate	25%

Average PV Costs per Ac		
System	Federal	Private
Prog	\$196	\$194
RMS	\$345	\$321

Estimated FTE per Year	6.0
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WATERSHED NAME & CODE		LOWER MISSOURI CROOKED RIVER - 10300101						LANDUSE ACRES			318,000
LANDUSE TYPE		PASTURELAND						TYPICAL UNIT SIZE ACRES			90
POSSIBLE SOURCES OF FUNDING								ESTIMATED PARTICIPATION			25%
CONSERVATION SYSTEMS BY TREATMENT LEVELS	FUTURE	USDA INVESTMENT						OTHERS			NOTES/COMMENTS
	New Treatment Units	CTA	EQIP	WRP	WHIP	CSP	CRP/ CREP	Fed	State	District	
Progressive System Acres Treated	57,240										
Critical Area Planting (ac.) 342	1,145	X	X								
Fence (ft.) 382	1,717,200	X	X								
Grade Stabilization Structure (no.) 410	636	X	X								
Mulching (ac.) 484	572	X		X							
Pasture and Hay Planting (ac.) 512	0	X	X								
Pipeline (ft.) 516	1,526,400	X	X								
Pond (no.) 378	636	X									
Use Exclusion (ac.) 472	3,434	X	X	X							
Watering Facility (no.) 614	1,908	X	X								
Resource Management System (RMS) Acres Treated	19,207										
Critical Area Planting (ac.) 342	191	X	X								
Fence (ft.) 382	286,200	X	X								
Filter Strip (ac.) 393	576	X					X				
Grade Stabilization Structure (no.) 410	533	X	X								
Mulching (ac.) 484	480	X		X							
Nutrient Management (ac.) 590	19,207	X	X								
Pasture and Hay Planting (ac.) 512	0	X	X								
Pipeline (ft.) 516	254,400	X	X								
Pond (no.) 378	106	X									
Prescribed Grazing (ac.) 528	19,207	X	X								
Streambank and Shoreline Protection (ft.) 580	106,707	X	X								
Upland Wildlife Habitat Management (ac.) 645	960	X	X								
Use Exclusion (ac.) 472	572	X	X	X							
Watering Facility (no.) 614	958	X	X								

DOCUMENTATION SECTION

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Enter Watershed Variables Below										
Watershed Name Lower Missouri Crooked River			Watershed Code 10300101			Help				
Landuse Type Forestland			Landuse Acres 208,500			Interest Rate 6%				
Typical Unit Size (ac) 40			Percent TA of FA 20%			Cost-Share Rate 50%				
Estimated Time Frame = 5 years	Participation Rate <small>(Based on Watershed Profile)</small>		<div style="border: 1px solid black; padding: 5px; display: inline-block;">30%</div> ↔ COMPARE ↔ <div style="border: 1px solid black; padding: 5px; display: inline-block; background-color: #FFD700;">36%</div>		Calculated Participation Rate <small>(Based on Projected Future Conditions)</small>		Next			
Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
Baseline	70%	145,950	Baseline	60%	87,570	Baseline	42%	87,570	87,570	0
			Progressive	30%	43,785					
			RMS	10%	14,595					
			<small>Must Total 100%</small>							
Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
Progressive	20%	41,700	Progressive	80%	33,360	Progressive	37%	77,145	33,360	43,785
			RMS	20%	8,340					
			<small>Must Total 100%</small>							
Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
RMS	10%	20,850	RMS	100%	20,850	RMS	21%	43,785	20,850	22,935
Grand Totals		100%	208,500			100%		208,500	141,780	66,720

DOCUMENTATION SECTION

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DOCUMENTATION SECTION

PRACTICE FACTOR SHEET Only shaded practices are in this analysis. Modify the formula for each Base, Prog, RMS to enter feet, no. or acres for each practice factor. Please enter appropriate factor for each level of treatment (Baseline, Progressive, & RMS)								
<div style="border: 1px solid black; padding: 2px; display: inline-block;">Back</div>								<div style="border: 1px solid black; padding: 2px; display: inline-block;">Next</div>
Code	BASE	PROG	RMS	SHORT NOTE <small>TU = Typical Unit Size</small>	Practice Name			<div style="border: 1px solid black; padding: 2px; display: inline-block;">Help</div>
382	0	x 3,000	x 3,000	FEET per TU	Fence (ft.) 382			
409	0.0%	0.0%	x 100.0%	PERCENT of TU	Prescribed Forestry (ac.) 409			
410	0	x 1	x 1	NUMBER per TU	Grade Stabilization Structure (no.) 410			
472	x 12.0%	x 24.0%	x 50.0%	PERCENT of TU	Use Exclusion (ac.) 472			
484	5.0%	x 5.0%	x 5.0%	PERCENT of TU	Mulching (ac.) 484			
490	0.0%	0.0%	x 50.0%	PERCENT of TU	Forest Site Preparation (ac.) 490			
560	0	0	x 1,000	FEET per TU	Access Road (ft.) 560			
578	0	0	x 25	FEET per TU	Stream Crossing 578			
580	0	0	x 300	FEET per TU	Streambank & Shoreline Protection (ft.) 580			
612	x 12.0%	x 38.0%	x 75.0%	PERCENT of TU	Tree/Shrub Establishment (ac.) 612			
645	0.0%	0.0%	x 50.0%	PERCENT of TU	Upland Wildlife Habitat Management (ac.) 645			
655	0.0%	0.0%	x 5.0%	PERCENT of TU	Forest Trails & Landings (ac.) 655			
666	0.0%	0.0%	x 90.0%	PERCENT of TU	Forest Stand Improvement (ac.) 666			
328	100.0%	100.0%	100.0%	PERCENT of TU	Conservation Crop Rotation (ac.) 328			
329	100.0%	100.0%	100.0%	PERCENT of TU	Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329			
344	100.0%	100.0%	100.0%	PERCENT of TU	Residue Management, Seasonal (ac.) 344			
346	100.0%	100.0%	100.0%	PERCENT of TU	Residue and Tillage Management, Ridge Till (ac.) 346			
430AA	500	660	660	FEET per TU	Irrigation Water Conveyance, Pipeline, Aluminum Tubing (ft.) 430AA			
430DD	500	500	660	FEET per TU	Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plastic (ft.) 430DD			
443	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation System, Surface and Subsurface (ac.) 443			
449	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation Water Management (ac.) 449			
464	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation Land Leveling (ac.) 464			
533	1	1	1	NUMBER per TU	Pumping Plant (no.) 533			
554	100.0%	100.0%	100.0%	PERCENT of TU	Drainage Water Management (ac.) 554			

WATERSHED NAME & CODE		LOWER MISSOURI CROOKED RIVER - 10300101				LANDUSE ACRES		208,500	
LANDUSE TYPE		FORESTLAND				TYPICAL UNIT SIZE ACRES		40	
ASSESSMENT INFORMATION						ESTIMATED PARTICIPATION		36%	
		CURRENT CONDITIONS	FUTURE CONDITIONS			RESOURCE CONCERNS			
CONSERVATION SYSTEMS BY TREATMENT LEVELS		Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Soil Erosion – Classic Gully	Plant Condition – Productivity, Health and Vigor	Plant Condition – Noxious and Invasive Plants	Fish and Wildlife – Habitat Fragmentation
Baseline System		System Rating ->				1	4	3	3
Total Acreage at Baseline Level		145,950	87,570	0	87,570				
Tree/Shrub Establishment (ac.) 612		17,514	10,508	0	10,508	2	5	4	4
Use Exclusion (ac.) 472		17,514	10,508	0	10,508	2	4	4	3
Progressive System		System Rating ->				4	4	3	2
Total Acreage at Progressive Level		41,700	33,360	43,785	77,145				
Fence (ft.) 382		3,127,500	2,502,000	3,283,875	5,785,875	0	0	0	-2
Grade Stabilization Structure (no.) 410		1,043	834	1,095	1,929	5	0	0	0
Mulching (ac.) 484		2,085	1,668	2,189	3,857	1	3	3	0
Tree/Shrub Establishment (ac.) 612		15,846	17,931	11,384	29,315	2	5	4	4
Use Exclusion (ac.) 472		10,008	13,261	5,254	18,515	2	4	4	3
Resource Management System (RMS)		System Rating ->				3	5	5	3
Total Acreage at RMS Level		20,850	20,850	22,935	43,785				
Access Road (ft.) 560		521,250	521,250	573,375	1,094,625	-1	0	-1	-2
Fence (ft.) 382		1,563,750	2,189,250	1,094,625	3,283,875	0	0	0	-2
Forest Stand Improvement (ac.) 666		18,765	18,765	20,642	39,407	3	5	4	2
Forest Trails and Landings (ac.) 655		1,043	1,043	1,147	2,189	1	2	4	-1
Grade Stabilization Structure (no.) 410		521	730	365	1,095	5	0	0	0
Mulching (ac.) 484		1,043	1,460	730	2,189	1	3	3	0
Prescribed Forestry (ac.) 409		20,850	20,850	22,935	43,785	2	5	5	4
Stream Crossing (no.) 578		13,031	13,031	14,334	27,366	0	0	0	0
Streambank and Shoreline Protection (ft.) 580		156,375	156,375	172,013	328,388	0	4	4	2
Tree/Shrub Establishment (ac.) 612		15,638	20,558	12,281	32,839	2	5	4	4
Tree/Shrub Site Preparation (ac.) 490		10,425	10,425	11,468	21,893	-2	5	4	0
Upland Wildlife Habitat Management (ac.) 645		10,425	10,425	11,468	21,893	2	4	4	4
Use Exclusion (ac.) 472		10,425	14,178	7,715	21,893	2	4	4	3

WATERSHED NAME & CODE		LOWER MISSOURI CROOKED RIVER - 10300101				LANDUSE ACRES		208,500	
LANDUSE TYPE		FORESTLAND				TYPICAL UNIT SIZE ACRES		40	
CONSERVATION INVESTMENT INFORMATION						ESTIMATED PARTICIPATION		36%	
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT				PRIVATE INVESTMENT		
		New Treatment Units	Installation Cost 50%	Management Cost - 3 yrs 100%	Technical Assistance 20%	Total Present Value Cost	Installation Cost 50%	Annual O & M + Mgt Costs 100%	Total Present Value Cost
Progressive System Acres Treated		43,785							
Fence (ft.) 382		3,283,875	\$2,397,229	\$0	\$479,446	\$2,876,675	\$2,397,229	\$239,723	\$3,407,029
Grade Stabilization Structure (no.) 410		1,095	\$5,571,559	\$0	\$1,114,312	\$6,685,871	\$5,571,559	\$334,294	\$6,979,725
Mulching (ac.) 484		2,189	\$0	\$656,775	\$131,355	\$716,544	\$0	\$218,925	\$337,003
Tree/Shrub Establishment (ac.) 612		11,384	\$1,855,608	\$0	\$371,122	\$2,226,730	\$1,855,608	\$0	\$1,855,608
Use Exclusion (ac.) 472		5,254	\$13,136	\$0	\$2,627	\$15,763	\$13,136	\$788	\$16,455
							</		

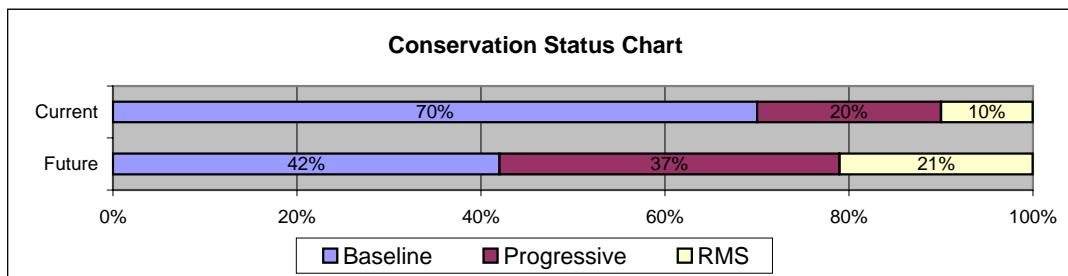


Chart Refers To	
Landuse Type	FORESTLAND
Estimated Participation Rate	36%

Average PV Costs per Ac		
System	Federal	Private
Prog	\$286	\$288
RMS	\$1,292	\$1,153

Estimated FTE per Year	14.2
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WATERSHED NAME & CODE		LOWER MISSOURI CROOKED RIVER - 10300101						LANDUSE ACRES			208,500	
LANDUSE TYPE		FORESTLAND						TYPICAL UNIT SIZE ACRES			40	
POSSIBLE SOURCES OF FUNDING								ESTIMATED PARTICIPATION			36%	
CONSERVATION SYSTEMS BY TREATMENT LEVELS	FUTURE	USDA INVESTMENT						OTHERS			NOTES/COMMENTS	
	New Treatment Units	CTA	EQIP	WRP	WHIP	CSP	CRP/ CREP	Fed	State	District		
	Progressive System Acres Treated											
	Fence (ft.) 382	3,283,875	X	X								
	Grade Stabilization Structure (no.) 410	1,095	X	X								
	Mulching (ac.) 484	2,189	X		X							
	Tree/Shrub Establishment (ac.) 612	11,384	X	X	X							
	Use Exclusion (ac.) 472	5,254	X	X	X							
Resource Management System (RMS) Acres Treated												
Access Road (ft.) 560	573,375	X										
Fence (ft.) 382	1,094,625	X	X									
Forest Stand Improvement (ac.) 666	20,642	X	X									
Forest Trails and Landings (ac.) 655	1,147	X										
Grade Stabilization Structure (no.) 410	365	X	X									
Mulching (ac.) 484	730	X		X								
Prescribed Forestry (ac.) 409	22,935	X	X									
Stream Crossing (no.) 578	14,334	X	X									
Streambank and Shoreline Protection (ft.) 580	172,013	X	X									
Tree/Shrub Establishment (ac.) 612	12,281	X	X	X								
Tree/Shrub Site Preparation (ac.) 490	11,468	X	X	X								
Upland Wildlife Habitat Management (ac.) 645	11,468	X	X									
Use Exclusion (ac.) 472	7,715	X	X	X								

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Enter Watershed Variables Below										
Watershed Name Lower Missouri Crooked Creek			Watershed Code 10300101			Help				
Landuse Type Developed Land			Landuse Acres 235,900			Interest Rate 6%				
Typical Unit Size (ac) 3			Percent TA of FA 20%			Cost-Share Rate 50%				
Estimated Time Frame = 5 years	Participation Rate <small>(Based on Watershed Profile)</small>		<div style="display: inline-block; border: 1px solid black; padding: 5px; background-color: #ADD8E6;">20%</div> <div style="display: inline-block; font-size: 2em; vertical-align: middle; margin: 0 10px;"> ← COMPARE → </div> <div style="display: inline-block; border: 1px solid black; padding: 5px; background-color: #FFD700;">25%</div>		Calculated Participation Rate <small>(Based on Projected Future Conditions)</small>		Next			
Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
Baseline	70%	165,130	Baseline	70%	115,591	Baseline	49%	115,591	115,591	0
			Progressive	25%	41,283					
			RMS	5%	8,257					
			<small>Must Total 100%</small>							
Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
Progressive	25%	58,975	Progressive	90%	53,078	Progressive	40%	94,360	53,078	41,283
			RMS	10%	5,898					
			<small>Must Total 100%</small>							
Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
RMS	5%	11,795	RMS	100%	11,795	RMS	11%	25,949	11,795	14,154
Grand Totals		100%	235,900			100%		235,900	180,464	55,437

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PRACTICE FACTOR SHEET Only shaded practices are in this analysis. Modify the formula for each Base, Prog, RMS to enter feet, no. or acres for each practice factor. Please enter appropriate factor for each level of treatment (Baseline, Progressive, & RMS)							
Code	BASE	PROG	RMS	SHORT NOTE <i>TU = Typical Unit Size</i>	Practice Name		
342	5.0%	x 5.0%	x 5.0%	PERCENT of TU	Critical Area Planting (ac.) 342		
362	0	x 100	x 100	FEET per TU	Diversion (ft.) 362		
380	0		x 500	FEET per TU	Windbreak/Shelterbreak Establishment (ft.) 380		
484	x 5.0%	x 10.0%	x 15.0%	PERCENT of TU	Mulching (ac.) 484		
645	0.0%		x 10.0%	PERCENT of TU	Upland Wildlife Habitat Management (ac.) 645		
328	100.0%	100.0%	100.0%	PERCENT of TU	Conservation Crop Rotation (ac.) 328		
329	100.0%	100.0%	100.0%	PERCENT of TU	Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329		
344	100.0%	100.0%	100.0%	PERCENT of TU	Residue Management, Seasonal (ac.) 344		
346	100.0%	100.0%	100.0%	PERCENT of TU	Residue and Tillage Management, Ridge Till (ac.) 346		
430AA	500	660	660	FEET per TU	Irrigation Water Conveyance, Pipeline, Aluminum Tubing (ft.) 430AA		
430DD	500	500	660	FEET per TU	Irrigation Water Conveyance, Pipeline, High-Pressure, Underground, Plasti		
443	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation System, Surface and Subsurface (ac.) 443		
449	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation Water Management (ac.) 449		
464	100.0%	100.0%	100.0%	PERCENT of TU	Irrigation Land Leveling (ac.) 464		
533	1	1	1	NUMBER per TU	Pumping Plant (no.) 533		
554	100.0%	100.0%	100.0%	PERCENT of TU	Drainage Water Management (ac.) 554		
587	3	2	1	NUMBER per TU	Structure for Water Control (no.) 587		
590	100.0%	100.0%	100.0%	PERCENT of TU	Nutrient Management (ac.) 590		
595	100.0%	100.0%	100.0%	PERCENT of TU	Pest Management (ac.) 595		
607	2,640	1,320	1,320	FEET per TU	Surface Drainage, Field Ditch (ft.) 607		
644	50.0%	50.0%	50.0%	PERCENT of TU	Wetland Wildlife Habitat Management (ac.) 644		
659	10.0%	10.0%	10.0%	PERCENT of TU	Wetland Enhancement (ac.) 659		
311	30.0%	30.0%	30.0%	PERCENT of TU	Alley Cropping (ac.) 311		
314	25.0%	25.0%	25.0%	PERCENT of TU	Brush Management (ac.) 314		

WATERSHED NAME & CODE		LOWER MISSOURI CROOKED CREEK - 10300101				LANDUSE ACRES		235,900	
LANDUSE TYPE		DEVELOPED LAND				TYPICAL UNIT SIZE ACRES		3	
ASSESSMENT INFORMATION						ESTIMATED PARTICIPATION		25%	
CONSERVATION SYSTEMS BY TREATMENT LEVELS		CURRENT CONDITIONS	FUTURE CONDITIONS			RESOURCE CONCERNS			
		Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Soil Erosion – Road, Roadsides and Construction Sites	Soil Condition – Damage from Sediment Deposition	Water Quantity – Inefficient Water Use on Irrigated Land	Water Quality – Excessive Nutrients and Organics in
Baseline System		System Rating ->				2	0	1	1
Total Acreage at Baseline Level		165,130	115,591	0	115,591				
Mulching (ac.) 484		8,257	5,780	0	5,780	4	1	3	2
Progressive System		System Rating ->				4	2	2	1
Total Acreage at Progressive Level		58,975	53,078	41,283	94,360				
Critical Area Planting (ac.) 342		2,949	2,654	2,064	4,718	5	3	0	2
Diversion (ft.) 362		1,965,833	1,769,250	1,376,083	3,145,333	2	2	2	0
Mulching (ac.) 484		5,898	7,372	2,064	9,436	4	1	3	2
Resource Management System (RMS)		System Rating ->				4	2	4	2
Total Acreage at RMS Level		11,795	11,795	14,154	25,949				
Critical Area Planting (ac.) 342		590	885	413	1,297	5	3	0	2
Diversion (ft.) 362		393,167	589,750	275,217	864,967	2	2	2	0
Mulching (ac.) 484		1,769	2,772	1,121	3,892	4	1	3	2
Upland Wildlife Habitat Management (ac.) 645		1,180	1,180	1,415	2,595	0	0	0	0
Windbreak/Shelterbelt Establishment (ft.) 380		1,965,833	1,965,833	2,359,000	4,324,833	0	1	5	1

WATERSHED NAME & CODE		LOWER MISSOURI CROOKED CREEK - 10300101				LANDUSE ACRES		235,900	
LANDUSE TYPE		DEVELOPED LAND				TYPICAL UNIT SIZE ACRES		3	
CONSERVATION INVESTMENT INFORMATION						ESTIMATED PARTICIPATION		25%	
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT				PRIVATE INVESTMENT		
		New Treatment Units	Installation Cost 50%	Management Cost - 3 yrs 100%	Technical Assistance 20%	Total Present Value Cost	Installation Cost 50%	Annual O & M + Mgt Costs 100%	Total Present Value Cost
Progressive System Acres Treated		41,283							
Critical Area Planting (ac.) 342		2,064	\$491,448	\$0	\$98,290	\$589,737	\$491,448	\$9,829	\$532,851
Diversion (ft.) 362		1,376,083	\$1,183,432	\$0	\$236,686	\$1,420,118	\$1,183,432	\$47,337	\$1,382,833
Mulching (ac.) 484		2,064	\$0	\$619,238	\$123,848	\$675,591	\$0	\$206,413	\$317,741

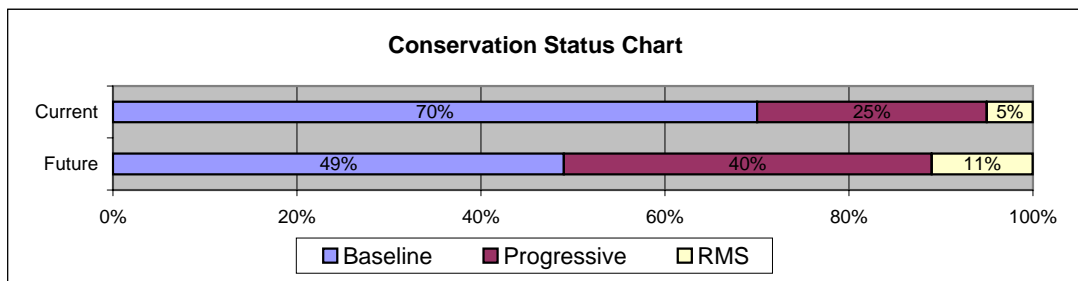


Chart Refers To		
Landuse Type	DEVELOPED LAND	
Estimated Participation Rate		25%
Average PV Costs per Ac		
System	Federal	Private
Prog	\$65	\$54
RMS	\$104	\$85
Estimated FTE per Year		1.4

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